

**ABSTRACT****HEART BEAT SIGNAL ANALYSIS**

5

There are disclosed methods and apparatus for analysing heart beat signals which comprise a series of similar heart beat complexes, such as ECG signals. A subset of complexes satisfying a mutual similarity  
10 criterion is selected from a larger set. A representative complex is calculated from the members of the subset. One or more heart beat signal parameters are then established from the representative complex. Computer apparatus making use of this scheme, including a graphical user  
15 interface for validating the representative complexes, is also disclosed.

20

25

30